



Master of Science/Doctor of Philosophy

PHARMACEUTICAL AND CHEMICAL SCIENCES

Program Overview

Pacific's Pharmaceutical and Chemical Sciences program, offered by Thomas J. Long School of Pharmacy and Health Sciences, is a full-time 32-45 unit program. The program is designed to prepare graduates for future careers working in increasingly complex and integrated research in pharmaceutical, chemical and biotechnological environments.

The program offers students three degree tracks (Master of Science, Doctor of Philosophy, and a dual degree program in

Doctor of Pharmacy/Doctor of Philosophy) and five research focus areas:

- Bioanalytical Chemistry, Physical Chemistry and Biochemistry
- Chemical Synthesis, Drug Discovery and Design
- Biopharmaceutical Sciences
- Molecular-Cellular Pharmacology and Toxicology
- Health Care Outcomes and Clinical Services

PROGRAM FAST FACTS

Stockton

Campus

32

units (MS)

45

units (PhD)

2 Years (MS)

or

5 years (PhD)

Rolling

admission

Fall or Spring

semester start

In-person

program

GRE

required

UNIVERSITY OF THE
PACIFIC

Office of Graduate Admission: 916.739.7281 | gradinfo@pacific.edu

Pharm & Health Sciences Recruiting: 209.946.3957 | [pfsrecruiting@pacific.edu](mailto:phsrecruiting@pacific.edu)

Program: 209.946.2405 | amerenda@pacific.edu



The Pharmaceutical and Chemical Sciences Program at Pacific equipped me with a solid understanding of the sciences of medicine making, from discovery to pharmaceutical manufacturing, and introduced me to lifelong mentors who continue to support and nurture my entrepreneurial aspirations.

Pasit Phiasivongsa '02

Vice President, Technical Operations at Principia Biopharma

Curriculum

The curriculum is designed to provide students with a broad understanding of the pharmaceutical and/or chemical sciences. In addition to courses in specific areas, students receive training in:

- Laboratory management, risk management and safety
- Instrumentation and laboratory techniques
- Statistics and experiential design
- Ethical and legal aspects of scientific inquiry
- Exposure to the basic and clinical sciences related to the pharmaceutical industry
- Experience in professional presentations and data summaries

Faculty

Faculty from the Departments of Chemistry, Pharmaceutics and Medicinal Chemistry, Physiology and Pharmacology, and Pharmacy Practice bring their research interest and expertise to the program. Students are encouraged to combine the talents of the faculty into a unique, student-centered and interdisciplinary program that will meet their individual education goals

Tuition and Financing

Tuition and fees are set annually. The per-unit graduate tuition rate for the 2019-20 academic year is \$1,528 plus applicable fees.

A limited number of graduate assistantships and fellowships may be available for graduate students. Interested students should directly contact program staff.

Graduate students who are U.S. citizens or eligible non-citizens may apply for federal student loans. Please contact our Office of Financial Aid for more information about financing options.

REQUIREMENTS

The admission process involves a holistic review of each applicant's background and experiences. The following are required for admission through our application in GradCAS (gradcas.liaisoncas.com):

- Bachelor's Degree
At least 3.0 GPA
- Official transcripts
- GRE scores
minimum 303 (V & Q) + 3.0 (A)
- Resume
- Personal statement
- Three letters of recommendation

For international students, the Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS) is required.

For more information, please visit:

 pacific.edu/pharmchem